



05-20-04

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Patentitioner's Docket No. 1139-005

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Howick et al.

Application No.: 10/715,160

Group No.: 3739

Filed: November 17, 2003

Examiner: Unknown

For: HEATER FOR AN AUTOMOTIVE VEHICLE AND METHOD OF FORMING SAME

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Applicants submit this statement in accordance with their duty of disclosure under 37 CFR 1.56 and 1.97-1.98. The submission made herewith is in no way intended as an admission that the cited items constitute material prior art or otherwise would render the claims unpatentable in any way. The submission also is in no way intended to substitute for the Examiner's own independent investigation.

Copies of foreign patent documents together with a listing on forms PTO/SB/08A and PTO/SB/08B are submitted herewith. Copies of cited U.S. patents and U.S. patent application publications have not been provided due to the waiver of the requirement under 37 CFR 1.98 (a)(2)(i). Applicants respectfully solicit the Examiner's consideration of the cited references and entry thereof into the record of this application.

CERTIFICATE OF MAILING/TRANSMISSION (37 C.F.R. section 1.8(a))

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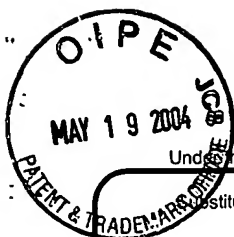
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Date: 5-19-04

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Institute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 4**Complete if Known**

Application Number	10/715.160
Filing Date	11/17/2003
First Named Inventor	Shaun Calvin Howick
Art Unit	3739
Examiner Name	Unknown
Attorney Docket Number	1139-005

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,887,788	06/03/1975	Seibel et al.	
		US- 4,237,366	12/02/1980	Berg	
		US- 4,410,790	10/18/1983	Berg et al.	
		US- 4,527,047	07/02/1985	Seitz	
		US- 4,568,281	02/04/1986	Harvey et al.	
		US- 4,628,187	12/09/1986	Sekiguchi et al.	
		US- 4,631,391	12/23/1986	Tiepke	
		US- 4,742,741	05/10/1988	Hallberg et al.	
		US- 4,777,351	10/11/1988	Batliwalla et al.	
		US- 4,857,711	08/15/1989	Watts	
		US- 4,882,466	11/21/1989	Friel	
		US- 4,891,500	01/02/1990	Bloore	
		US- 4,910,388	03/20/1990	Lorenz et al.	
		US- 4,919,744	04/24/1990	Newman	
		US- 4,931,627	06/05/1990	Watts	
		US- 4,942,286	07/17/1990	Monter et al.	
		US- 5,015,824	05/14/1991	Monter et al.	
		US- 5,045,673	09/03/1991	Kelly	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		WO 02/32188	10/06/2000	Illinois Tool Works Inc.		

Examiner
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Sheet 2 of 4**Complete if Known**

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		US- 5,111,025	05/05/1992	Barma et al.	
		US- 5,132,840	07/21/1992	Okada et al.	
		US- 5,155,625	10/13/1992	Komatsu et al.	
		US- 5,181,006	01/19/1993	Shafe et al.	
		US- 5,198,639	03/30/1993	Smuckler	
		US- 5,204,509	04/20/1993	Etters et al.	
		US- 5,206,482	04/27/1993	Smuckler	
		US- 5,298,721	03/29/1994	Smuckler	
		US- 5,344,591	09/06/1994	Smuckler	
		US- 5,354,966	10/11/1994	Sperbeck	
		US- 5,414,241	05/09/1995	Ohashi et al.	
		US- 5,418,025	05/23/1995	Harmand et al.	
		US- 5,451,747	09/19/1995	Sullivan et al.	
		US- 5,475,530	12/12/1995	Fujie et al.	
		US- 5,594,585	01/14/1997	Komatsu	
		US- 5,702,565	12/30/1997	Wu et al.	
		US- 5,716,536	02/10/1998	Yokoto et al.	
		US- 5,719,378	02/17/1998	Jackson, Jr. et al.	

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Examiner Signature		Date Considered	
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		Number-Kind Code ² (if known)			
		US- 5,731,569	03/24/1998	Crescenzo	
		US- 5,824,996	10/20/1998	Kochman et al.	
		US- 5,902,505	05/11/1999	Finley	
		US- 5,904,874	05/18/1999	Winter	
		US- 5,921,100	07/13/1999	Yoshinori et al.	
		US- 5,938,957	08/17/1999	Tanahashi et al.	
		US- 6,078,024	06/20/2000	Inoue et al.	
		US- 6,084,217	07/04/2000	Bulgajewski	
		US- 6,093,908	07/25/2000	Haag	
		US- 6,093,910	07/25/2000	McClintock et al.	
		US- 6,105,667	08/22/2000	Yoshinori et al.	
		US- 6,137,085	10/24/2000	Nakashima et al.	
		US- 6,229,123	05/08/2001	Kochman	
		US- 6,294,758	09/25/2001	Masao et al.	
		US- 6,307,188	10/23/2001	Bulgajewski	
		US- 6,369,369	04/09/2002	Kochman et al.	
		US- 6,392,195	05/21/2002	Zhao et al.	
		US- 6,426,485	07/30/2002	Bulgajewski et al.	

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		US- 6,433,317	08/13/2002	Arx et al.	
		US- 6,455,823	09/24/2002	Bulgajewski et al.	
		US- 6,495,799	12/17/2002	Pillsbury et al.	
		US- 6,495,809	12/17/2002	Bulgajewski et al.	
		US- 6,512,203	01/28/2003	Jones et al.	
		US- 6,541,737	04/01/2003	Eksin et al.	
		US- 6,559,426	05/06/2003	Jirmann	
		US- 6,626,488	09/30/2003	Pfahler	
		US- 6,629,725	10/07/2003	Kunkel et al.	
		US- 4,743,741	05/10/1988	Ramus	
		US- 6,204,479	03/20/2001	Sickels	
		US- 6,153,851	11/28/2000	Schneider	
		US- 2003/0102296	09/13/2002	Nelson et al.	
		US-			
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